1st & Final bill
Recorded on:-

Job Code NO:- 00[illegible]-20-000052
Modified Cost Rs. 77.06 Lakhs

M. A. R. 57 (Rule 116)
Measurement Part Book

No. E

Work order NO:- BBMP/EE/YNK:DY:ETH:[illegible]/W.O/[illegible]/2021-22, 4954[illegible] Date 28/10/2021

Serial No

Name of work Construction of Samudaya Bhavan and other Civil works at Shivaji Nagar Road in ward NO-02 of Yelahanka Sub division.

From

Name of Contractor of nature of Agency Sri. Shankarappa T.K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Date of commencement of work

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	6	7	8
	A. ROAD:-					
(1)	KSRRB 1300-14. Excavation for road work in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections etc as per specifications.					
	Qty vide E-bill :- 342.29 m^3					
	A) up to 125% of quantity :- 187.64 m^3 @Rs 58.99					11,068.74
	B) Above 125% of quantity :- 154.65 m^3 @Rs. 45.57					7,047.51
(2)	KSRRB 1100-1 Loading and unloading of stone boulder/stone aggregates/ Sand/Kankar/ moorum etc as per specifications.					
	Qty vide E-bill :- 342.29 m^3 @Rs. 68.72					23,522.17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③ KSRRB 300.58. Compaction of original ground by mechanical roller including filling in depression occurring during rolling inclusive cost of labour, Item complete as per Specification					Qty vide E-bill :- 3479.96 m² @Rs. 6.57	5655
	④ KSRB 4.1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with opc cement @220kgs with 40mm and down Size graded granite metal coarse aggregate @0.892 cum as per Specification.					Qty vide E-bill :- 127.19 m³ @Rs. 4258.26	5416
	⑤ Cement Concrete Pavement Construction of unreinforced cement concrete pavement, using a grade concrete m30 of Prepared bake with opc coarse aggregates @ 0.69 cum/cum -gates as per Specification						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495172

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7	8
		Qty vide E-bill :-				127.19 m³ @Rs. 5907.56	7,51,404.41
	(6) Vaccuum de-watering with vaccuum pump and Suction mat and Compaction with skin floater clubbed with floating disc including cost of generation etc as per Specifications. Qty vide E-bill :-					847.96 m² @Rs. 75.58	64,088.67
	(7) Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & Hour of machine cycle as per Specifications. Qty vide E-bill :-					437.55 mtrs @Rs. 150.04	65,650.00

M. A. R. 57 (Rule 116) No. E

Measurement Book

495173

Serial No

Name of work From To

Name of Contractor or nature of Agency

Date of commencement of work

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Hand packing, ramming, watering including cost of all materials and labour with all lifts and lifting complete as per specification.						
	Qty vide E-bill:- 50.04 m^3						
	A) up to 125% of Quantity:- 10.58 m^3 CRS. 2750.55						29087.07
	B) Above 125% of Quantity:- 39.33 m^3 CRS 2750.55						1,08,179.13
	(11) KSRE 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 (m7.5) with opc cement @180 Kgs with 40mm and down size graded granite metal coarse aggregates as per specification.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495174

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	(13) KSRB 4-1.5: Providing and laying in position plain cement Concrete of mix m20 with opc Cement @ 300 kgs, with 20mm and down size graded granite metal Coarse aggregates @ 0.69 cum cft as per Specifications.					
	Qty vide, E-bill :-				30.42 m³	1,83,543.85
	CRS. 6033.32					
	(14) KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations up to plinth in layers not exceeding 200mm in depth, Compacting each deposited layer by ramming after watering with lead upto 50 meters as per Specifications.					
	Qty vide, E-bill :-				80.32 m³	18,281.64
	CRS. 227.61					

M. A. R. 57 (Rule 116) No. E

Measurement Book

495175

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide, E-bill :- 72.36 m²				CRS. 292.15	21139.97
	(18) KSRB 4.6.4 : Providing and removing centering shuttering, strutting propping etc and removal of formwork for vertical surface such as walls at any thickness etc as per Specifications.						
		Qty vide, E-bill :- 65.07 m²				CRS. 405.39	26378.73
	(19) KSRB 4-6.5 : Providing and removing centering shuttering, strutting propping etc and removal of formwork for columns, pillars, piers, parts and struts etc as per Specifications.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495176

District No. .....

Name of work ..... From ..... To .....

Name of Contractor or nature of Agency .....

Date of commencement of work .....

Item	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
(22)	KSRII 4-6.7: Providing and removing Centering, Shuttering, Struutting, propping etc and removal of formwork for sides and Soffits of beams, beam haunchings, Cantilever girders, breastsmors and lintels not exceed-ing 1m in depth etc all as per Specification. Qty vide, E-bill:- 96.72 m² @RS. 330.65						31,980.47
(23)	KSRII 4-6.11: Providing and removing Centering, Shuttering, Struutting propping etc and removal of formwork for Stairs (excluding landing) except Spiral Staircase including cost of all materials, labour Complete as per Specification.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495177

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(26) KSRB 4.2.8: Providing and laying in position reinforced cement Concrete of design mix m25 with opc cement @340Kgs, with 20mm and downsize graded granite metal coarse aggregates @ 0.8 Cum & fine aggregates @ 0.47 Cum etc as per specifications.						
	Qty vide, E-bill:- 42.27 m^3						
	A) up to 125% of Quantity:- 14.78 m^3 CRS. 6845.24						1,01,138.42
	B) Above 125% of Quantity:- 27.05 m^3 CRS 7643.67						2,06,761.27
	(27) KSRB 4.2.8: Providing and laying in position reinforced Cement Concrete of design mix m25 with opc cement @340Kgs, with 20mm and						

M. A. R. 57 (Rule 116) No. E
Measurement Book 495178

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@0.5865 cumm and fine aggregates @0.391 cumm with Superplastizer @0.2 225 lts of cs per Specifications. Qty vide E-bill:- 8.91 m² CRS. 56/66						4776.92
	(30) KSRB 4.2.11: Providing and laying in position reinforced Cement Concrete of design mix M20 with opc cement @27.20 kgs with 12mm and down size graded granite metal coarse aggregates @0.5865 cumm and fine aggregates of cs per Specifications. Qty vide E-bill:- Nil CRS. 572.96						0.00

M. A. R. 57 (Rule 116) No. E
Measurement Book

495179

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	block density not less than 1800 kg/m³ having a minimum average Compressive strength 5.00 N/mm² cast per Specifications.					
	Qty vide, E-bill :- 104.95 m²				1,08,385.01	
	CRS. 1032.73					
(34)	KSRB 5-14.1: Providing and Constructing load bearing wall with Solid Concrete blocks of Size 400 x 150 x 200 mm having block density not less than 1800 kg/m³ having a minimum average Compressive strength 5.00 N/mm² cast per Specifications.					
	Qty vide, E-bill :- 129.83 m²				1,45,246.91	
	CRS. 1118.79					
(35)	KSRB 15-3.8: Providing 18 mm Thick Cement plaster in Single					

M. A. R. 57 (Rule 116) No. E

Measurement Book

495180

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	A) up to 125% of quantity:-					47.40m²	14653.24
						CRS. 309.14	
	B) Above 125% of quantity:-					35.34m²	10925.01
						CRS. 309.14	
57	KSRB 15.3.2: Providing 12mm thick Cement plaster in single coat with cement mortar 1:4 in brick masonry including rounding off corners wherever required smooth rendering etc as per specifications.						
	Qty vide Ξ - bill - 179.27m²						41412.01
						CRS. 231.01	

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Measurement Book 495181

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and levelling the surface using steel blade and preparing the surface even and shade etc. as per specifications. Qty vide E-bill:- 412.45 m² CRS. 88.33						36,431.71
	(41) KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface etc. as per Specifications. Qty vide E-bill:- 201.69 m² CRS. 101.91						20,551.23
	(42) KSRB 15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495183

Serial No .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with cement mortar using white cement and colour pigments to match the colour of slab steps per Specifications.						
	Qty vide E-bill :- 179.00 m²						415717.68
	CRS. 2322.51						415729.
(48)	Providing half moking for 200mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work etc. as per Specifications.						
	Qty. vide, E-bill :- 60.30 mtrs						12290.95
	CRS. 203.83						
(49)	water proofing of RCC Terrace/podium slab/ toilet/ utilities water						

M. A. R. 57 (Rule 116) No. E 495185
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	coat) on new wood surface and/or wood laid surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter etc. as per specification.						
	City side, E-bill:- 14.18 m^2						
	A) upto 125% of quantity:- 4.60 m^2 @RS. 109.84						505.26
	B) Above 125% of quantity:- 9.58 m^2 @RS. 109.84						1051.72
(57)	Providing & fixing of 3 Tracks - 2 panel sliding windows made out of multi chambered upvc (matching to IS:14182-2016) sections and with minimum Tio2 etc. as per Specification.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

495186

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	B) Above 125% of quantity :-		1.04 m²				111.35
	CRS. 10758						
	(60) Providing and fixing stainless steel staircase railing as per chief Architect Drawing no. 11520/HRSC with hand rail 50mm dia 16 guage hallow pipe etc as per Specifications.						
	Qty vide E-bill :- 20.07 m²						
	A) up to 125% of quantity :- 14.00 m²						95452.84
	CRS 6818.06						
	B) Above 125% of quantity :- 6.07 m²						41385.62
	CRS. 6818.06						

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Measurement Book

495187

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rize with steel reinforcement as per Specifications. Qty vide E-bill:- 14.49 m² @RS.5680.77						81,803.09
	C. ELECTRIFICATIONS:-						
	(a) point wiring using copper wire without Switch Supplying and wiring adopting loop System in existing pvc Conduit/Casing Caping using 2x1.5 Sqmm as per Specifications. Qty vide E-bill - 8.00 nos @RS. 209.70						1677.60

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Measurement Book 495188

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	boxes, adhesive pastes etc as per Specifications. (19/20mm Dia, 2mm Thick)						
	qty vide E-bill:-	90.00				nmts	4812.30
	@Rs. 53.47						
(68)	Groove cutting:- Supplying heavy guage Conduit PVC 25/2mm of 8 Thick heavy with suitable size board metal junction boxes, adhesive pastes etc as per Specifications. (25mm Dia, 2mm Thick).						
	qty vide E-bill:-	70.00				nmts	3963.40
	@Rs. 56.62						
(69)	Supplying and flush mounting powder coated/galvanized metal box suitable for mounting modular switch plates etc as						

M. A. R. 57 (Rule 116) No. E 495189
Measurement Book

Serial No .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(72) Supplying and mounting 2 nos of 2 way Gang flush type Switches either Surface / flush mounted on existing gang box or in 4 mm thick plastic sheet and mounted on a flush mounted wooden box & wiring as per IS 1293. cleats per Specifications. Qty vide E-bill:- 8.00 nos CRS. 157.28						1258.24
	(73) Supply and fixing of bakelite D.P / Socket / switch with / without neon indicator over existing wood board or flush mounting in plastic plates cleats per specifications. Qty vide E-bill:- 8.00 nos CRS. 203.41						1627.28

M. A. R. 57 (Rule 116) No. E 495192
Measurement Book

From ..... To .....

Date	Full description, etc. of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
	2	3	4	5 / 6	7	8
	~~cut~~ not laid Tran 3.25mm on pole/wall/drain Grooving with necessary clamping arrangements costs for UG cable of 1 KV class. cleats per Specifica tion.					
		City vide, E-bill:- 4.00 mtrs @RS 361.73				1444.92
(ii)	Fabricating Supplying and mounting one box mode out SWG Suitable Iron/wall mounting fully weather proof with provision for better heat dissipation cleats per Specifications.					
		City vide, E-bill:- 4000.00 mtrs @RS. 0.35				1400.00
(iii)	Supplying and fixing regular one distribution boards on wall/					

M. A. R. 57 (Rule 116) No. E 495194
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency. .....
Date of commencement of work. .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work of guard blocks and camps check per Specification. qty vide, E-bill :- 20,00 Nos @Rs. 102.75						2055.00
						Total Rs :-	68,62,265.69
						Add GST @12% Rs:-	8,23,471.88
	Qty 30/4/2022 AE-02					Grand Total Rs:-	76,85,737.58

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to the Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE:-						
	1) Certified that the above work done is Satisfactory Completed.						
	2) Certified that the, There is no debrics have been cleared to site.						
	30/4/2022 AE-2						
	Asst. Executive Engineer Yelahanka Sub Division (BBMP Ynk. Zn) Yelahanka, Bangalore 30/4/22						

M. A. R. 57 (Rule 116) No. E 495195

Measurement Book

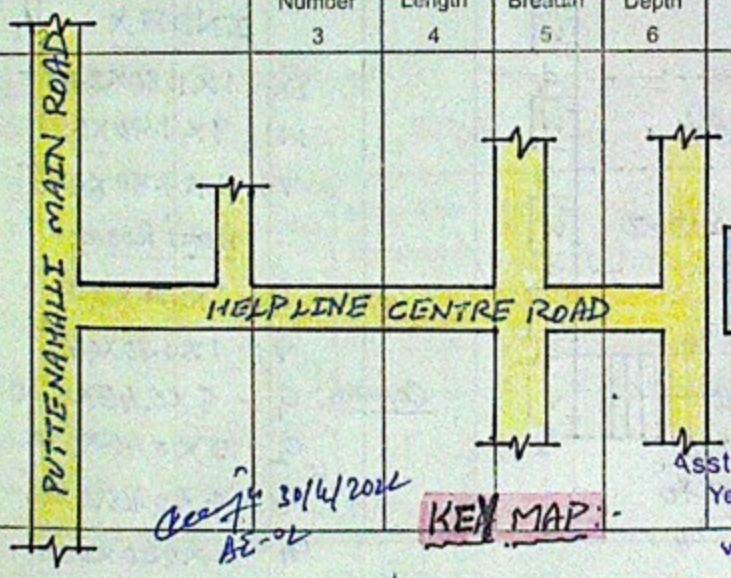
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
		3	4	5	6	7	8



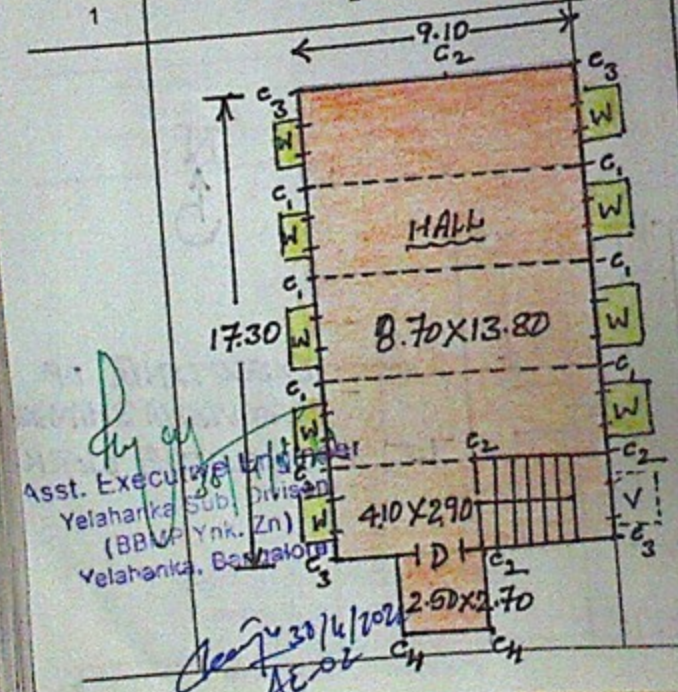
KEY MAP:-

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

30/4/2022
AE-01

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

30/4/202
AE

INDEX

D:- 1X1.80X2.40

W:- 9X1.80X1.50

V:- 1X1.80X0.45

Head Room:-

D1:- 1X1.20X2.10

V:- 1X1.50X0.45

Column:- C_1:- 6X0.45X0.30

C_2:- 5X0.45X0.20

C_3:- 4X0.45X0.20

C_4:- 2X0.30X0.30

T BOOK

ions

Breadth 5	Depth 6	Contents 7

INDEX

D: 1X1.80X2.40

W: - 9X1.80X1.50

V: - 1X1.80X0.45

Head Room:

D: - 1X1.20X2.10

V: - 1X1.80X0.45

F: - 6X0.45X0.23

2: - 5X0.45X0.23

3: - 4X0.45X0.23

: - 2X0.30X0.30

M. A. R. 57 (Rule 116) No. E

Measurement Book 495196

No. .....

of work ..... From ..... To .....

of Contractor of nature of Agency ..... Shankarappa T H .....

of commencement of work ..... 1st & Final.

Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Gross Amt = Rs 76,85,738.00 Job Code 008-20-000052.						
FSD Fine 325.00 SBR. no. 04/07-05-2022.						
COST = Rs 68623.00						
= Rs 68623.00						
= Rs 153715.00						
= Rs 76858.00						
7686.00						
13188.00						
= Rs 3,89,918.00						
Amt = Rs 72,96,730.00						

Audited & Admitted for Rs. 76,85,738.00

Seventy Six lakh eighty five thousand Seven hundred & Thirty Eight

72,96,730.00 by Cheque

and Rs. 3,89,918.00 by Adjusement

Accts Supdt
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP